

Title (en)

Liquid ink printer including a non-scorching dryer assembly

Title (de)

Flüssige Tinte verwendender Drucker mit einer nicht verbrennenden Trockeneinheit

Title (fr)

Imprimante à encre liquide avec séchoir non-brûlant

Publication

EP 1090771 A1 20010411 (EN)

Application

EP 00308610 A 20000929

Priority

US 41121699 A 19991004

Abstract (en)

A non-scorching dryer assembly (60) for drying a liquid ink image printed on a sheet of paper. The non-scorching dryer assembly (60) includes a housing (64) defining a portion of a sheet moving path (19); a sheet transport assembly (22) for moving a sheet of paper carrying a liquid ink image on a front side thereof through the housing (64) and along the portion of the sheet moving path; a heating system (66) for heating the sheet of paper to a temperature sufficient to dry the liquid ink image thereon; and a forced air moving device (62) connected to the housing for selectively and gently blowing air onto a side of the sheet of paper so as to prevent the sheet of paper from reaching a scorching temperature. <IMAGE>

IPC 1-7

B41J 11/00

IPC 8 full level

B41J 2/01 (2006.01); **B41J 11/00** (2006.01); **B41J 29/00** (2006.01)

CPC (source: EP US)

B41J 11/002 (2013.01 - EP US); **B41J 11/00216** (2021.01 - EP US); **B41J 11/0022** (2021.01 - EP US); **B41J 11/00222** (2021.01 - EP US)

Citation (applicant)

- US 4970528 A 19901113 - BEAUFORT RICHARD F [US], et al
- US 2306607 A 19421229 - HORTON ALBERT J

Citation (search report)

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- [X] GB 1477722 A 19770622 - KNIGHT W LTD
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- [A] US 5757407 A 19980526 - REZANKA IVAN [US]
- [A] GB 2003427 A 19790314 - POLYGRAPH LEIPZIG KOM VEB

Cited by

CN108712968A; EP3427964A4

Designated contracting state (EPC)

DE FR GB

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